

# City of Mississauga

## Briefing Note



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Date: 2020/05/05

To: Karen Ras, Ward 2 Councillor

From: Helen Noehammer  
Director, Infrastructure Planning & Engineering Services

Subject: 2020 Roads and Stormwater Capital Plan for Ward 2

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The purpose of this briefing note is to provide an overview of the roads and stormwater infrastructure and assessment works planned for Ward 2 in 2020. These works are also illustrated on the attached Ward 2 Roads and Stormwater Capital Plan Map.

Given the uncertainty around the COVID-19 pandemic, the delivery of the City's construction program may be impacted over the course of the year. Staff will keep your office informed of significant changes to the delivery schedule for projects within your ward.

The **Roads Capital Plan** includes roadway rehabilitation, major roads improvements, bridge and culvert renewal, cycling infrastructure and sidewalk improvements, noise wall replacements, intersection improvements and environmental site management projects.

### Roadway Rehabilitation

The Roadway Rehabilitation program is focussed on the renewal of the pavement, curb and sidewalk infrastructure within the roadway. Pavement renewal can range from resurfacing to full reconstruction of the roadway pavement structure. The curbs and sidewalks may also be replaced as part of the rehabilitation project if warranted by their condition. These projects are prioritized based on city-wide needs and are coordinated with other City projects, the Region of Peel, utility companies and development pressures to the extent possible and practical. The approved 2020 city-wide budget for roadway rehabilitation is \$38.5 million. Including the streets carried over from 2019, this year's construction program includes 56 km of road surface, affecting 119 streets. The table below summarizes the streets planned for rehabilitation in Ward 2 in 2020.

| Street Name     | From                | To         |
|-----------------|---------------------|------------|
| Balboa Drive    | Lakeshore Road West | Road / End |
| Dack Boulevard  | Balboa Drive        | Road / End |
| Gatehouse Drive | Bexhill Road        | Road / End |

| Street Name       | From              | To          |
|-------------------|-------------------|-------------|
| Lynnrod Court     | Balboa Drive      | Road / End  |
| Fowler Court*, ** | Fifth Line Street | Road / End  |
| <b>Totals</b>     | <b>5 Streets</b>  | <b>1 km</b> |

\* Project carried over from previous year.

\*\* Project includes the installation of Low Impact Development features and will be tendered separately.

### Major Roads Improvements

Projects in the Major Roads program include new roads, road widenings, multi-modal integrations, grade separations from railway corridors, and other improvements to the major roads network. Typically, a Municipal Class Environmental Assessment (EA) study is completed for each project prior to proceeding to construction. The following major road improvement project is underway or planned in Ward 2 this year.

| Project Name                        | Project Type |
|-------------------------------------|--------------|
| Clarkson Road & Lakeshore Road West | EA Study     |

In response to ongoing concerns raised by local residents regarding the operation of the Clarkson Road and Lakeshore Road West intersections, the City is undertaking a Schedule B Class EA study to investigate a number of alternatives to improve the safety and operation of the intersections and approaches.

### Bridge and Culvert Renewal

The Bridge and Culvert program focusses on structural rehabilitations or replacements. For structures over watercourses, the Stormwater Team is consulted on needs or opportunities for hydraulic improvements to reduce flooding risks. The following bridge projects are planned in Ward 2 this year.

| Project Location                       | Project Type |
|--|--------------|
| Lushes Avenue over Sheridan Creek      | Construction |
| Brookhurst Road over Sheridan Creek    | Construction |
| Orr Road over Sheridan Creek Tributary | Design       |

The Lushes Avenue Pedestrian Bridge will be replaced and the Brookhurst Road structure will undergo structural renewal.

The Orr Road culvert is in the design phase and will be replaced in 2021.

### Cycling Infrastructure

Mississauga's Cycling Master Plan has identified the needs, locations and priorities for cycling infrastructure improvements in the City. Examples include bike lanes and multi-use trails within the road right-of-way.

The following table summarizes the cycling infrastructure projects planned for Ward 2 this year.

| Project Name                             | Project Type |
|--|--------------|
| Port Credit Active Transportation Bridge | EA Study     |

#### Sidewalk Improvements

Projects in the Sidewalk program focus on filling in gaps to improve sidewalk connections for pedestrians. No sidewalk projects are planned in Ward 2 this year.

#### Noise Wall Replacements and Upgrades

Candidates for the Noise Wall Replacement program have been assessed based upon their existing condition, safety considerations, construction schedules and installation criteria. Noise walls scheduled for replacement are those in poor condition and which meet the installation criteria set out in Policy 09-03-03. No noise wall projects are planned in Ward 2 this year.

Upgrading fences to noise walls can be done in advance of a major road project, integrated road project or through a resident-initiated local improvement project provided that the proposed noise wall meets the installation criteria set out in Policy 09-03-03. Two sections of noise wall upgrade projects are scheduled for design in Ward 2 this year.

| Street Name    | From                       | To                         | Side | Length (m) |
|----------------|----------------------------|----------------------------|------|------------|
| Southdown Road | Behind 2205 Davebrook Road | Behind 2183 Davebrook Road | East | 465        |
| Southdown Road | Bromsgrove Road            | Truscott Drive             | West | 434        |

#### Intersection Improvements

The Intersection Improvement program includes funding for the treatment of intersections with the focus on improving safety, traffic flow and capacity. These improvements typically take the form of additional turning or through lanes to improve vehicle capacity and/or to support the installation of traffic signals. Intersection improvements are also constructed to reduce conflicts between pedestrians and motorists. There is one intersection improvement projects planned for Ward 2 this year.

| Project Name                         | Project Type |
|--------------------------------------|--------------|
| Balboa Drive & Lakeshore Road West** | Study        |

\*\*To be tendered along with Balboa Drive Resurfacing.

Balboa Drive has been identified for intersection improvements to address safety concerns with the current intersection configuration. Interim improvements will be included with the Balboa Drive resurfacing.

Environmental Site Management

This program includes conducting environmental studies, site inspections, monitoring programs and remediation of contamination in soil and/or groundwater on City-owned lands, including road allowances, easements, parks, hazard lands and municipal facilities. The primary objectives of work conducted under this capital program are to ensure that the City-owned lands are safe for the intended uses, limit the liability of the Corporation and are not causing negative impacts to the natural environment. There is one environmental site management project planned for Ward 2 this year.

| Project Location | Project Type                             |
|------------------|--|
| Birchwood Park*  | Ground Water Sampling and Cap Inspection |

\* Project carried over from previous year.

Rapid Transit Projects

Mississauga's Strategic Plan identifies the need to build higher order (rapid) transit corridors in the City. Rapid transit corridors typically include new dedicated transit lanes, multi-modal integration, and cycling infrastructure. The City's current rapid transit program includes three projects – the Lakeshore Higher Order Transit (HOT) corridor, the Dundas Bus Rapid Transit (BRT) corridor and the Downtown Mississauga Terminal and Transitway Connection. All three projects have approved funding to initiate environmental assessment and preliminary design studies this year. The Lakeshore HOT and Dundas BRT projects fall within Ward 2.

The **Stormwater Capital Plan** includes watercourse improvements, storm sewer and drainage improvements, stormwater management facilities and improvements, stormwater studies and stormwater low impact development (LID) enhancements within the road right-of-way. Projects are identified by our stormwater monitoring, evaluation and maintenance programs as well as recommendations from various studies. Projects are prioritized based on city-wide needs and asset management strategies and are coordinated with other City projects, the Region of Peel, utility companies and development pressures to the extent possible and practical.

Watercourse Improvements

Projects in the Watercourse Improvements program primarily focus on the stabilization and rehabilitation of watercourses across the City to mitigate erosion hazards and protect property, infrastructure and public safety. The design and implementation of these projects are typically preceded by the completion of a Class Environmental Assessment (EA). There are two watercourse improvement projects planned for Ward 2 this year.

| Project Name   | Project Type  |
|--|---------------|
| Loyalist Creek Erosion Control – Thornlodge Drive to Thornlodge Drive            | EA            |
| Sheridan Creek Erosion Control - Lushes Ave. to behind Fletcher Valley Crescent* | EA and Design |

\* Project carried over from previous year.

Regarding the Moore Creek Erosion Control Project at Lakeshore Road, this work has been substantially completed. The work remaining includes the final paving of Lakeshore Road and some restoration works. This work should be completed within the next 4 weeks.

#### Storm Sewer & Drainage Improvements

The City's storm sewer network collects, conveys and discharges stormwater runoff. The system is comprised of linear assets such as pipes and point assets such as maintenance holes and catchbasins. Projects in this program include assessment, design and implementation to maintain and renew the storm sewer network. No storm sewer projects are planned in Ward 2 this year.

#### Stormwater Management Facilities & Improvements

Projects in this program include the design and implementation of new Stormwater Management (SWM) facilities and retrofit of existing facilities for additional flood relief and water quality. Typical improvements include dredging and rehabilitation works to maintain infrastructure as well as water quality and quantity function. No stormwater management facility projects are planned for Ward 2 this year.

#### Stormwater Studies

This includes the completion of flood evaluation studies, erosion control studies, master drainage plans and other planning studies. Planning and asset management studies allow staff to prioritize capital projects and improve the organization and management of stormwater infrastructure assets. Flood evaluation studies aid in the identification of infrastructure needs and the recommendation of future capital projects. There are three stormwater studies planned for Ward 2 this year.

| <b>Project Name</b>   | <b>Project Type</b> |
|---|---------------------|
| Southdown District Stormwater Servicing and Environmental Management Plan* **   | Study               |
| Storm Sewers Condition Assessment & Survey – Lakeshore Road, Dundas Street, Southdown Road and Royal Windsor Drive, North Sheridan Way, South Sheridan Way* | Study               |
| Stormwater Pond Condition Assessment & Survey: North of Fair Birch Drive, East of Greenoaks Drive **  | Study               |

\* Indicates that the project was carried over from the previous year.

\*\* This project is not reflected on the Road and Stormwater Capital Plan Map.

#### Stormwater LID Enhancements

The Stormwater Program also includes funding for Low Impact Development (LID) enhancements to be constructed within the road right-of-way where opportunities arise. Common LID techniques within the right-of-way include enhanced vegetated swales and bioretention features that promote infiltration and/or filtration. There is one LID project planned for Ward 2 this year.

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| Street Name   | From            | To       | Length (m) |
|---------------|-----------------|----------|------------|
| Fowler Court* | Fifth Line West | Road End | 110        |

\* Project includes Roadway Rehabilitation and is a carryover project from last year.

### Roads and Stormwater Construction Communications Strategy

The Infrastructure Planning and Engineering Services (IPES) Division and Strategic Communications are continuously working on improving and simplifying communications for roads and stormwater construction projects. This work includes developing consistent construction notice letters, improved construction project signage, clarification of processes and greater public engagement through surveys and additional touch points with notice letters.

The City is planning communications to ensure residents, businesses and commuters are aware of the 2020 spring/summer construction season and where to find information on construction projects. For information about planned construction works within the City, please visit the ['Construction Map'](#) on the City's website.

If you have any questions regarding any of the projects within the Roads Capital Plan, please contact Alessandro Torresan at extension 5153.

If you have any questions regarding any of the projects within the Stormwater Capital Plan, please contact Scott Perry at extension 5161.

#### **Copies circulated to:**

Mayor Bonnie Crombie

Geoff Wright, Commissioner, Transportation and Works

#### **Attachment:**

2020 - Ward 2 Roads and Stormwater Capital Plan Map

WARD 2  
2020 ROADS AND STORMWATER CAPITAL PLAN

ROAD CAPITAL PLAN

- |   |  |
|---|--|
| Major Roads                                   | Cycling Infrastructure Design              |
| New Railway Grade Separation                  | Cycling Program-MUT                        |
| EA Study                                      | Active Transportation Bridge               |
| Road Rehabilitation                           | Sidewalk Program                           |
| Minor Restoration Works                       | Noise Wall Program                         |
| Bridge/Culvert/Retaining Wall Rehab           | Noise Wall Design /Studies                 |
| Bridge/Culvert/Retaining Wall Design /Studies | Environmental Site Assessment/ Remediation |
| Intersection Improvement                      |  |

STORMWATER CAPITAL PLAN

- |                                     |   |
|-------------------------------------|---|
| Stormwater Facility Works           | Watercourse Erosion Control                 |
| Stormwater Facility Design /Studies | Watercourse Erosion Control Design /Studies |
| Storm Sewer Works                   | LID Enhancements                            |
| Storm Sewer Design /Studies         | LID Enhancements Design /Studies            |
| Storm Sewer Assessments             |   |

- |                             |   |                         |
|-----------------------------|---|-------------------------|
| ICELAND                     | POLICE (PEEL - COMMUNITY STATION)   | LOCAL ROAD              |
| FIRE STATION                | NOTE: Community Station hours of operation may vary. Please contact Peel Regional Police for further information. | MAJOR ROAD              |
| LIBRARY                     | POLICE (PEEL - MARINE UNIT)   | PRIVATE ROAD (P)        |
| COMMUNITY CENTRE            | CHIC CENTRE (CITY HALL)   | UNDER CONSTRUCTION      |
| MISSISSAUGA SENIORS' CENTRE | CITY CENTRE TRANSIT TERMINAL  | CITY BOUNDARY           |
| ANIMAL SERVICES             | LIVING ARTS CENTRE  | HYDRO TRANSMISSION LINE |
| HISTORICAL                  | PARAMOUNT FINE FOODS CENTRE   | RAILWAY                 |
| TRANSPORTATION & WORKS      | MISSISSAUGA TRANSITWAY  | GO TRANSIT STATION      |
| CHURCH VILLAGE NAIRNA       |   | ONE WAY TRAFFIC         |
| HOSPITAL                    |   | PUBLIC SCHOOL           |
| POLICE (OPP)                |   | CATHOLIC SCHOOL         |
| POLICE (PEEL)               |   |                         |
| ICELAND                     |   |                         |

SOURCE DATA

BASE: City of Mississauga, Geospatial Solutions, Corporate Services Department, Information Technology, Digital Services Section  
Revised: 2020 01 10, 43M-2072.

LANDMARKS: City of Mississauga, Geospatial Solutions, Corporate Services, Information Technology, Digital Services Section

THIS PROGRAM IS REVIEWED ON AN ANNUAL BASIS AND IS SUBJECT TO CHANGE

SCALE 1:50000 PLOTTED 2020/05/01 TO ORDER CALL 905-615-3200 ext. 3157

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